



# CHOATE, HALL & STEWART

A PARTNERSHIP INCLUDING PROFESSIONAL CORPORATIONS

EXCHANGE PLACE

53 STATE STREET

BOSTON, MASSACHUSETTS 02109-2804

TELEPHONE (617) 248-5000 • FAX (617) 248-4000

WWW.CHOATE.COM

MAIL STOP PATENT APPLICATION

COMMISSIONER FOR PATENTS

P.O. BOX 1450

ALEXANDRIA, VA 22313-1450

**Express Mail No.: EV 124826120 US**

**Attorney Docket No.: 2001180-0077**

**(HU 2060-02 US NATL)**

**Date Filed: August 27, 2003**

## CERTIFICATE OF MAILING

"Express Mail" mailing label number EV 124826120 US

Date of Deposit: August 27, 2003

I hereby certify that this correspondence is being deposited with the United States Postal Service as "***Express Mail Post Office to Address***" service under 37 CFR 1.10 on the date indicated above and is addressed to: Commissioner for Patents, Mail Stop Patent Application, P.O. Box 1450, Alexandria, VA 22313-1450

  
Signature

Kathy Hart Gagnon

Typed Name

## **UTILITY PATENT APPLICATION TRANSMITTAL**

(for new nonprovisional applications under 37 C.F.R. § 1.53(b))

Dear Sir:

Please find enclosed a patent application and papers as follows for:

### **Inventor(s):**

Given Name (first and middle)      Family Name or Surname      Residence

Stuart L.	Schreiber	Boston, MA
Robert A.	Stavenger	Blue Bell, PA
Timothy J.	Mitchison	Brookline, MA
Zoltan	Maliga	East Brunswick, NJ

**Title of the Invention    DIHYDROPYRANCARBOXAMIDES AND USES THEREOF**

A) APPLICATION ELEMENTS:

1)      **Fee Transmittal Form** (original and duplicate submitted for fee processing)

2)      **Applicant Claims Small Entity Status** (see 37 CFR §1.27)

a)      Statement Verifying Small Entity Status

3)   X   **Specification**

TOTAL PAGES:   142  

(including **129** pp. description, **12** pp. claims, **1** pg. abstract)

- Descriptive Title of the Invention
- Priority Information
- Government Support
- Background of the Invention
- Summary of the Invention
- Definitions
- Brief Description of the Drawing
- Detailed Description of the Certain Exemplary Embodiments of the Invention
- Equivalents
- Exemplification
- Claim(s) (**12** pp.)
- Abstract of the Invention (**1** pg.).

4)   X   **Drawing(s)** (35 U.S.C. § 113)

TOTAL SHEETS:   40  

a)      Formal Drawings (if checked)

5)   X   **Oath or Declaration**

TOTAL PAGES:     6    

a)   X   Newly Executed (original)

b)      Copy from a prior application (37 C.F.R. § 1.63(d))-for  
continuation/divisional application

c)      Unexecuted

6)      **Application Data Sheet.** See 37 CFR 1.76.

7)      **CD-ROM or CD-R in duplicate, large table or Computer Program**  
(Appendix)

8)      **Nucleotide and/or Amino Acid Sequence Submission** (if applicable, all are  
necessary)

a)      Computer Readable Form (CRF)

- b) ☐ Specification Sequence Listing on:
- i) ☐ CD-ROM or CR-R (2 copies); or
- ii) ☐ Paper ( pages)
- c) ☐ Statements verifying identity of above copies
- d) ☐ Amendment Introducing Sequence Listing

**B) ACCOMPANYING APPLICATION PARTS:**

- 9) ☐ **Assignment Papers**
- 10) ☐ **37 C.F.R. § 3.73(b) Statement**
- 11) ☐ **Power of Attorney;**
- 12) ☐ **English Translation Document** (if applicable)
- 13) ☐ **Information Disclosure Statement (IDS)/PTO-1449**
- 14 ☐ **Statement Under 37 C.F.R. §§ 1.56, 1.97 and 1.98**
- 15) ☐ **Copies of IDS Citations**
- 16) ☒ **Return Receipt Postcard (MPEP 503)** (specifically itemized)
- 17) ☐ **Certified Copy of Priority Document(s)** (if foreign priority is claimed)
- 18) ☒ **OTHER:** (if applicable, specified below)

1 Application Cover Sheet

**C) FOR CONTINUING APPLICATIONS:** (the appropriate box is checked, and certain information is provided below and in a preliminary amendment)

☐ CONTINUATION                      ☐ DIVISIONAL                      ☐ CONTINUATION-IN-PART (CIP)

OF PRIOR APPLICATION NO:	
FILED:	
EXAMINER:	
GROUP/ART UNIT:	

**FOR CONTINUATION OR DIVISIONAL APPLICATIONS ONLY:** THE ENTIRE DISCLOSURE OF THE PRIOR APPLICATION, FROM WHICH AN OATH OR DECLARATION IS SUPPLIED AS DETAILED ABOVE, IS

CONSIDERED A PART OF THE DISCLOSURE OF THE ACCOMPANYING CONTINUATION OR DIVISIONAL APPLICATION AND IS HEREBY INCORPORATED BY REFERENCE.

D.) PRIORITY CLAIM(S):

This application claims the benefit under Title 35, United States Code, §120 of any United States application(s) or PCT international application(s) designating the United States of America listed below:

Application Number	Filing Date	Status
--------------------	-------------	--------

PCT Applications designating the United States:

Application Number	Filing Date	Status
--------------------	-------------	--------

This application claims the benefit under Title 35, United States Code, §119(e) of any United States provisional application(s) listed below:

Provisional Application(s):

60/406,140	August 27, 2002	Pending
Application Number	Filing Date	Status

E) METHOD OF PAYMENT OF FILING FEES FOR THIS APPLICATION:

       Applicant claims small entity status 37 CFR §1.27

  X   A check in the amount of **\$2,902.00** enclosed to cover filing fees

  X   The Commissioner is hereby authorized to charge filing fees or credit any overpayment to Deposit Account Number 03-1721.

Basic Filing Fee ( <b><u>LARGE</u></b> Entity)	\$750.00
Additional Fees:	
Total Number of Claims in excess of 20: $(124 - 20) = 104 \times \$18$	\$1,872.00
Number of Independent Claims in excess of 2: $(- 3) \times \$42$	\$0.00
Multiple Dependent Claims – YES (\$): \$280	<b><u>\$280.00</u></b>
<b>Total Filing Fee:</b>	<b>\$2,902.00</b>

F) CORRESPONDENCE ADDRESS:



X Customer Bar Code Label: 24280

PATENT TRADEMARK OFFICE

X Correspondence Address:

PATENT GROUP  
Choate, Hall & Stewart  
53 State Street  
Exchange Place  
Boston, MA 02109  
ATTN: Brenda Herschbach Jarrell, Ph.D.  
Telephone: (617) 248-5000  
Facsimile: (617) 248-4000

G) GOVERNMENT SUPPORT:

THE INVENTION WAS MADE BY AN AGENCY OF THE UNITED STATES GOVERNMENT OR UNDER A CONTRACT WITH AN AGENCY OF THE UNITED STATES GOVERNMENT:

       NO

  X   YES, THE NAME OF THE U.S. GOVERNMENT AGENCY AND THE GOVERNMENT CONTRACT NUMBER ARE : GM-52067 – NATIONAL INSTITUTES OF GENERAL MEDICAL SCIENCES.

Respectfully Submitted,

Dated: August 27, 2003

Nadège M. Lagneau, Ph.D.  
Reg. No. 51,908

PATENT GROUP  
CHOATE, HALL & STEWART  
53 State Street  
Exchange Place  
Boston, MA 02109  
Telephone: (617) 248-5000  
Facsimile: (617) 248-4000